## SIEMENS

## Data sheet

## 6GK5734-1FX00-0AB0

product type designation



## W734-1 RJ45 (USA)

IWLAN client, SCALANCE W734-1, RJ45, 1 radio, 2 R-SMA antenna port, iFeatures Support via KEY-PLUG, IEEE 802.11a/b/g/h/n, 2.4/5 GHz, gross data rate 300 Mbps, 2x RJ45 max. 100 Mbps, PoE integrated 2-port switch, redundant 24 V DC, joint block, IP30, -20... 60 °C, plug slot WPA2/802.11*i/e*, observe national approvals! CERT ID: MSN-W1-RJ-E2, FCC ID: LYHMSN1V1, scope of delivery: manuals on CD-ROM, German/English, 1x joint block; only for operation in the USA.

transfer rate     300 Mbit/s       • of industrial Ethernet     10, 100 Mbit/s       transfer rate / for Industrial Ethernet     10, 100 Mbit/s       • maximum     10 Mbit/s       • for network components or terminal equipment     2       • for network components or terminal equipment     1       • for network components or terminal equipment     4-pole screw terminal, PoE       • for network components or terminal equipment     +or network components or terminal equipment       • for network components or terminal equipment     +or network components or terminal equipment       • for network components or terminal equipment     +or network components or terminal equipment       • for network components or terminal equipment     +or network components or terminal equipment       • for network components or terminal equipment     +or network components or terminal equipment       • for network components or terminal equipment     +or network components or terminal equipment       • for network components or terminal equipment     +or network components or terminal equipment       • for network components or terminal equipment     +or network components or terminal equipment       • for network components or terminal equipment     +or network components or terminal equipment <t< th=""><th>transfer rate</th><th></th></t<>	transfer rate	
• for Industrial Ethernet     10, 100 Mbit/s       transfer rate / for Industrial Ethernet     10 Mbit/s       • maximum     100 Mbit/s       Intofraces     100 Mbit/s       number of electrical connections     2       • for network components or terminal equipment     2       • for network components or terminal equipment     2       • for network components or terminal equipment     1       • for network components or terminal equipment     4       • for power supply     1       • for network components or terminal equipment     4       • for power supply     1       • for network components or terminal equipment     4       • for power supply     4       • for power supply     4       • for power supply     4       • KEY-PLUG     Yes       • KEY-PLUG     Yes       • KEY-PLUG     Yes       interfaces / wireless     1       number of radio cards / permanently installed     1       transmission mode / for multiple input multiple output     22       (MMKO)     7       number of electrical connections / for external antenna(s)     R-SMA (socket)       type of electrical connections / for external antenna(s)     R-SMA (socket)       type of voltage / of the supply voltage     0       supply voltage	transfer rate	
transfer rate / for Industrial Ethemet initianum 10 Mbil/s interfaces interfaces interfaces interfaces ior network components or terminal equipment ior network components ior network component ior network component ior network component ior network is network network ior network is network ior network is netw	<ul> <li>with WLAN / maximum</li> </ul>	300 Mbit/s
• minimum       10 Mbit/s         • maximum       100 Mbit/s         Interfaces       100 Mbit/s         number of electrical connections       2         • for network components or terminal equipment       2         • for network components or terminal equipment       1         • for network components or terminal equipment       1         • for network components or terminal equipment       RJ45 socket         • for network components or terminal equipment       RJ45 socket         • for network components or terminal equipment       RJ45 socket         • for network components or terminal equipment       RJ45 socket         • for network components or terminal equipment       RJ45 socket         • for network components or terminal equipment       RJ45 socket         • for network components or terminal equipment       RJ45 socket         • for network components or terminal equipment       RJ45 socket         • for network sorage       -pole screw terminal, PoE         design of the removable storage       -         • C-PLUG       Yes         number of radio cards / permanently installed       1         transmission mode / for multiple input multiple output       2x2         number of spatial streams       2         number of spatial streams <td< td=""><td><ul> <li>for Industrial Ethernet</li> </ul></td><td>10, 100 Mbit/s</td></td<>	<ul> <li>for Industrial Ethernet</li> </ul>	10, 100 Mbit/s
• maximum       100 Mbit/s         Interfaces       • for retwork components or terminal equipment       2         • for power supply       1         • for retwork components or terminal equipment       2         • for network components or terminal equipment       1         • for network components or terminal equipment       RJ45 socket         • for network components or terminal equipment       A-pole screw terminal, PoE         design of the removable storage       •         • C-PLUG       Yes         • KEY-PLUG       Yes         memory	transfer rate / for Industrial Ethernet	
Interfaces         Interfaces           number of electrical connections         2           of or power supply         1           of or redundant voltage supply         1           of or redundant voltage supply         1           of or network components or terminal equipment         2.445 socket           of or network components or terminal equipment         4-pole screw terminal, PoE           of or network components or terminal equipment         4-pole screw terminal, PoE           design of the removable storage         Yes           o C-PLUG         Yes           o KEY-PLUG         Yes           memory         4           design of the removable storage         Yes           o C-PLUG         Yes           number of radio cards / permanently installed         1           transmission mode / for multiple input multiple output         2x2           number of spatial streams         2           number of spatial streams         2           number of electrical connection / for external antenna(s)         Pres           number of voltage, current consumption, power loss         Yes           type of voltage, current consumption, power loss         Yes           supply voltage         0           of tope 1 and IEEE802.3at	• minimum	10 Mbit/s
number of electrical connections       2         • for network components or terminal equipment       2         • for rower supply       1         • for rower supply       1         • for network components or terminal equipment       RJ45 socket         • for power supply       4-pole screw terminal, PoE         design of the removable storage       4-pole screw terminal, PoE         • C-PLUG       Yes         • KEY-PLUG       Yes         • KEY-PLUG       Yes         • KEY-PLUG       Yes         Interfaces / wireless       Yes         number of radio cards / permanently installed       1         transmission mode / for multiple input multiple output (MIMO)       2x2         number of spatial streams       2         number of electrical connections / for external antenna(s)       R-SMA (socket)         product feature / external antenna can be mounted directly on device       Yes         supply voltage       0C         supply voltage / of the supply voltage       48 V         for type 1 and IEEE802.3at       0.25 A         onsumed current       0.25 A         • with Power-over-Ethernet according to IEEE802.3at       0.125 A	• maximum	100 Mbit/s
	interfaces	
<ul> <li>for power supply</li> <li>for redundant voltage supply</li> <li>for redundant voltage supply</li> <li>for network components or terminal equipment</li> <li>for network components or terminal equipment</li> <li>for power supply</li> <li>for power supply</li> <li>design of the removable storage</li> <li>C-PLUG</li> <li>KEY-PLUG</li> <li>KEY-PLUG</li> <li>Yes</li> <li>Yes</li> <li>KEY-PLUG</li> <li>Yes</li> <li>Interfaces / wireless</li> <li>Number of ratio cards / permanently installed</li> <li>Transmission mode / for multiple input multiple output</li> <li>(MIMO)</li> <li>Number of spatial streams</li> <li>R-SMA (socket)</li> <li>Yes</li> <li>supply voltage</li> <li>for power-over-Ethernet according to IEEE802.3at</li> <li>for type 1 and IEEE802.3af</li> <li>orasumed current</li> <li>at DC / at 24 V / typical</li> <li>O.25 A</li> <li>O.25 A</li> <li>O.25 A</li> </ul>	number of electrical connections	
	<ul> <li>for network components or terminal equipment</li> </ul>	2
type of electrical connection <ul> <li>for network components or terminal equipment</li> <li>for power supply</li> <li>for power supply</li> <li>design of the removable storage</li> <li>C-PLUG</li> <li>KEY-PLUG</li> <li>Yes</li> </ul> memory         design of the removable storage <li>C-PLUG</li> <li>KEY-PLUG</li> <li>Yes</li> interfaces / wireless <ul> <li>Number of radio cards / permanently installed</li> <li>transmission mode / for multiple input multiple output (MIMO)</li> <li>number of spatial streams</li> <li>2</li> <li>number of electrical connection / for external antenna(s)</li> <li>type of electrical connection / for external antenna(s)</li> <li>product feature / external antenna can be mounted</li> <li>directly on device</li> </ul> DC           supply voltage <ul> <li>of the supply voltage</li> <li>of tor type 1 and IEEE802.3at</li> <li>for type 1 and IEEE802.3at</li> <li>of the Power-over-Ethernet according to IEEE802.3at</li> <li>of the Power-over-Eth</li></ul>	<ul> <li>for power supply</li> </ul>	1
<ul> <li>for network components or terminal equipment</li> <li>for power supply</li> <li>design of the removable storage</li> <li>C-PLUG</li> <li>KEY-PLUG</li> <li>Yes</li> <li>C-PLUG</li> <li>C-PLUG</li> <li>Yes</li> <li>KEY-PLUG</li> <li>Yes</li> <li>KEY-PLUG</li> <li>Yes</li> <li>Interfaces / wireless</li> <li>number of radio cards / permanently installed</li> <li>transmission mode / for multiple input multiple output</li> <li>(MIMO)</li> <li>number of spatial streams</li> <li>2</li> <li>number of spatial streams</li> <li>2</li> <li>number of spatial streams</li> <li>2</li> <li>number of electrical connections / for external antenna(s)</li> <li>product feature / external antenna can be mounted</li> <li>treet of vice</li> <li>supply voltage</li> <li>of rom Power-over-Ethernet according to IEEE802.3at</li> <li>for type 1 and IEEE802.3af</li> <li>consumed current</li> <li>at DC / at 24 V / typical</li> <li>0.25 A</li> <li>0.125 A</li> </ul>	<ul> <li>for redundant voltage supply</li> </ul>	1
• for power supply         4-pole screw terminal, PoE           design of the removable storage         Yes           • C-PLUG         Yes           • KEY-PLUG         Yes           memory         design of the removable storage           • C-PLUG         Yes           • C-PLUG         Yes           • C-PLUG         Yes           • KEY-PLUG         Yes           interfaces / wireless         removable storage           number of radio cards / permanently installed         1           transmission mode / for multiple input multiple output         2x2           (MIMO)         2x2           number of spatial streams         2           number of electrical connections / for external antenna(s)         R-SMA (socket)           product feature / external antenna can be mounted         Yes           directly on device         DC           supply voltage, current consumption, power loss         48 V           for type 1 and IEEE802.3af         0.25 A           e at DC / at 24 V / typical         0.25 A           with Power-over-Ethernet according to IEEE802.3at         0.125 A	type of electrical connection	
design of the removable storage     Yes       • C-PLUG     Yes       • KEY-PLUG     Yes       memory     design of the removable storage       • C-PLUG     Yes       • C-PLUG     Yes       interfaces / wireless     Yes       number of radio cards / permanently installed     1       transmission mode / for multiple input multiple output     2x2       (MIMO)     0       number of spatial streams     2       number of electrical connections / for external antenna(s)     2       product feature / external antenna can be mounted     Yes       directly on device     DC       supply voltage, current consumption, power loss     48 V       if or type 1 and IEEE802.3af     0.25 A       e at DC / at 24 V / typical     0.25 A       e with Power-over-Ethernet according to IEEE802.3at     0.125 A	<ul> <li>for network components or terminal equipment</li> </ul>	RJ45 socket
C-PLUG Yes         KEY-PLUG Yes           KEY-PLUG Yes	<ul> <li>for power supply</li> </ul>	4-pole screw terminal, PoE
KEY-PLUG Yes      design of the removable storage         C-PLUG Yes          KEY-PLUG Yes      interfaces / wireless      number of radio cards / permanently installed 1     transmission mode / for multiple input multiple output     (MIMO)     number of spatial streams         2         number of electrical connection / for external antenna(s)         type of electrical connection / for external antenna(s)         product feature / external antenna can be mounted         directly on device          supply voltage         of the supply voltage         other yeb and IEEE802.3at         for type 1 and IEEE802.3at         for type 1 and IEEE802.3at         other Yeb and         vet DC / at 24 V / typical         outpica         vet DC / at 24 V / typical         outpica         vet DC	design of the removable storage	
memory         design of the removable storage         • C-PLUG       Yes         • KEY-PLUG       Yes         Interfaces / wireless         number of radio cards / permanently installed       1         transmission mode / for multiple input multiple output (MIMO)       2x2         number of spatial streams       2         number of electrical connections / for external antenna(s)       2         type of electrical connection / for external antenna(s)       R-SMA (socket)         product feature / external antenna can be mounted directly on device       Yes         supply voltage, current consumption, power loss       DC         supply voltage       0C         • from Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af       48 V         • with Power-over-Ethernet according to IEEE802.3at       0.25 A         • with Power-over-Ethernet according to IEEE802.3at       0.125 A	• C-PLUG	Yes
design of the removable storage <ul> <li>C-PLUG</li> <li>KEY-PLUG</li> <li>Yes</li> </ul> interfaces / wireless           number of radio cards / permanently installed         1           transmission mode / for multiple input multiple output (MIMO)         2x2           number of spatial streams         2           number of electrical connection / for external antenna(s)         2           type of electrical connection / for external antenna(s)         R-SMA (socket)           product feature / external antenna can be mounted         Yes           directly on device         DC           supply voltage         DC           supply voltage         48 V           of rom Power-over-Ethernet according to IEEE802.3at         48 V           or type 1 and IEEE802.3af         0.25 A           with Power-over-Ethernet according to IEEE802.3at         0.125 A	• KEY-PLUG	Yes
	memory	
• KEY-PLUG       Yes         interfaces / wireless       1         number of radio cards / permanently installed       1         transmission mode / for multiple input multiple output (MIMO)       2x2         number of spatial streams       2         number of electrical connections / for external antenna(s)       2         type of electrical connection / for external antenna(s)       R-SMA (socket)         product feature / external antenna can be mounted directly on device       Yes         supply voltage, current consumption, power loss       DC         supply voltage       6         • from Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af       48 V         consumed current       0.25 A         • with Power-over-Ethernet according to IEEE802.3at       0.125 A	design of the removable storage	
interfaces / wireless       1         number of radio cards / permanently installed       1         transmission mode / for multiple input multiple output (MIMO)       2x2         number of spatial streams       2         number of electrical connections / for external antenna(s)       2         type of electrical connection / for external antenna(s)       R-SMA (socket)         product feature / external antenna can be mounted       Yes         directly on device       Ves         supply voltage, current consumption, power loss       DC         type of voltage / of the supply voltage       DC         supply voltage       48 V         e from Power-over-Ethernet according to IEEE802.3at       48 V         with Power-over-Ethernet according to IEEE802.3at       0.25 A         e with Power-over-Ethernet according to IEEE802.3at       0.125 A	• C-PLUG	Yes
number of radio cards / permanently installed       1         transmission mode / for multiple input multiple output (MIMO)       2x2         number of spatial streams       2         number of electrical connections / for external antenna(s)       2         type of electrical connection / for external antenna(s)       R-SMA (socket)         product feature / external antenna can be mounted directly on device       Yes         supply voltage, current consumption, power loss       DC         type of voltage / of the supply voltage       DC         supply voltage       48 V         • from Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af       48 V         • at DC / at 24 V / typical       0.25 A         • with Power-over-Ethernet according to IEEE802.3at       0.125 A	• KEY-PLUG	Yes
transmission mode / for multiple input multiple output (MIMO)2x2number of spatial streams2number of electrical connections / for external antenna(s)2type of electrical connection / for external antenna(s)R-SMA (socket)product feature / external antenna can be mounted directly on deviceYesSupply voltage, current consumption, power losstype of voltage / of the supply voltage supply voltageDCsupply voltage0e from Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af consumed current48 Ve at DC / at 24 V / typical with Power-over-Ethernet according to IEEE802.3at e with Power-over-Ethernet according to IEEE802.3at e Mith Power-over-Ethernet according to IEEE802.3at e Mith Power-over-Ethernet according to IEEE802.3at0.125 A	interfaces / wireless	
(MIMO)number of spatial streams2number of spatial streams2number of electrical connections / for external antenna(s)2type of electrical connection / for external antenna(s)R-SMA (socket)product feature / external antenna can be mounted directly on deviceYesSupply voltage, current consumption, power losstype of voltage / of the supply voltage supply voltageDCsupply voltageIEEE802.3at for type 1 and IEEE802.3at for type 1 and IEEE802.3afe at DC / at 24 V / typical0.25 Awith Power-over-Ethernet according to IEEE802.3at o .125 A	number of radio cards / permanently installed	1
number of electrical connections / for external antenna(s)2type of electrical connection / for external antenna(s)R-SMA (socket)product feature / external antenna can be mounted directly on deviceYessupply voltage, current consumption, power lossDCtype of voltage / of the supply voltage supply voltageDC• from Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af48 V• at DC / at 24 V / typical0.25 A• with Power-over-Ethernet according to IEEE802.3at 0.125 A0.125 A		2x2
type of electrical connection / for external antenna(s) product feature / external antenna can be mounted directly on deviceR-SMA (socket) Yessupply voltage, current consumption, power lossDCtype of voltage / of the supply voltage supply voltage • from Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3afDCconsumed current • at DC / at 24 V / typical • with Power-over-Ethernet according to IEEE802.3at • with Power-over-Ethernet according to IEEE802.3at • 0.25 A0.125 A	number of spatial streams	2
product feature / external antenna can be mounted directly on device       Yes         supply voltage, current consumption, power loss       DC         type of voltage / of the supply voltage supply voltage of the supply voltage       DC         • from Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af consumed current • at DC / at 24 V / typical       0.25 A         • with Power-over-Ethernet according to IEEE802.3at • 0.125 A       0.125 A	number of electrical connections / for external antenna(s)	2
directly on device       DC         supply voltage / of the supply voltage       DC         supply voltage       DC         • from Power-over-Ethernet according to IEEE802.3at       48 V         for type 1 and IEEE802.3af       48 V         • at DC / at 24 V / typical       0.25 A         • with Power-over-Ethernet according to IEEE802.3at       0.125 A	type of electrical connection / for external antenna(s)	R-SMA (socket)
supply voltage, current consumption, power loss         type of voltage / of the supply voltage       DC         supply voltage       DC         • from Power-over-Ethernet according to IEEE802.3at       48 V         for type 1 and IEEE802.3af       48 V         • at DC / at 24 V / typical       0.25 A         • with Power-over-Ethernet according to IEEE802.3at       0.125 A		Yes
supply voltage • from Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af consumed current • at DC / at 24 V / typical • with Power-over-Ethernet according to IEEE802.3at • with Power-over-Ethernet according to IEEE802.3at		
supply voltage • from Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af consumed current • at DC / at 24 V / typical • with Power-over-Ethernet according to IEEE802.3at • with Power-over-Ethernet according to IEEE802.3at		DC
for type 1 and IEEE802.3af         consumed current         • at DC / at 24 V / typical         0.25 A         • with Power-over-Ethernet according to IEEE802.3at         0.125 A		
<ul> <li>at DC / at 24 V / typical</li> <li>with Power-over-Ethernet according to IEEE802.3at</li> <li>0.125 A</li> </ul>	8	48 V
with Power-over-Ethernet according to IEEE802.3at     0.125 A	consumed current	
	• at DC / at 24 V / typical	0.25 A
		0.125 A

power loss [W]	
at DC / at 24 V / typical	6 W
with Power-over-Ethernet according to IEEE802.3at	6 W
for type 1 and IEEE802.3af / typical	
supply voltage / 1	
<ul> <li>from terminal block</li> </ul>	19.2 V
supply voltage / 2	
<ul> <li>from terminal block</li> </ul>	28.8 V
ambient conditions	
ambient temperature	
<ul> <li>during operation</li> </ul>	-20 +60 °C
<ul> <li>during storage</li> </ul>	-40 +85 °C
during transport	-40 +85 °C
relative humidity / at 25 °C / without condensation / during	95 %
operation / maximum ambient condition / for operation	When used under bezerdeus conditions (Zone 2), the SCALANCE
	When used under hazardous conditions (Zone 2), the SCALANCE W774-1 RJ45 or W734-1 RJ45 product must be installed in an
	enclosure. To comply with EN 50021, this enclosure must meet the
	requirements of at least IP 54 in compliance with EN 60529.
protection class IP	IP30
design, dimensions and weights	
width	26 mm
height	156 mm
depth	127 mm
width / of the enclosure / without antenna	26 mm
height / of the enclosure / without antenna	147 mm
depth / of the enclosure / without antenna	127 mm
net weight	0.52 kg
fastening method	wall mounting only if flat mounted
S7-300 rail mounting	Yes
S7-1500 rail mounting	Yes
<ul> <li>35 mm top hat DIN rail mounting</li> <li>wall mounting</li> </ul>	Yes
radio frequencies	
radio frequencies operating frequency	2.41 2.48 GHz: depending on the country approvals
radio frequencies operating frequency • for WLAN in 2.4 GHz frequency band	2.41 2.48 GHz; depending on the country approvals
radio frequencies operating frequency • for WLAN in 2.4 GHz frequency band • for WLAN in 5 GHz frequency band	4.9 5.8 GHz; depending on the country approvals
radio frequencies operating frequency • for WLAN in 2.4 GHz frequency band • for WLAN in 5 GHz frequency band product features, product functions, product components	4.9 5.8 GHz; depending on the country approvals / general
radio frequencies operating frequency • for WLAN in 2.4 GHz frequency band • for WLAN in 5 GHz frequency band product features, product functions, product components product function / Access Point Mode	4.9 5.8 GHz; depending on the country approvals / general No
radio frequencies operating frequency • for WLAN in 2.4 GHz frequency band • for WLAN in 5 GHz frequency band product features, product functions, product components product function / Access Point Mode product function / client Mode	4.9 5.8 GHz; depending on the country approvals / general
radio frequencies operating frequency • for WLAN in 2.4 GHz frequency band • for WLAN in 5 GHz frequency band product features, product functions, product components product function / Access Point Mode product function / client Mode product function	4.9 5.8 GHz; depending on the country approvals / general No Yes
radio frequencies operating frequency • for WLAN in 2.4 GHz frequency band • for WLAN in 5 GHz frequency band product features, product functions, product components product function / Access Point Mode product function / client Mode	4.9 5.8 GHz; depending on the country approvals / general No
radio frequencies operating frequency • for WLAN in 2.4 GHz frequency band • for WLAN in 5 GHz frequency band product features, product functions, product components product function / Access Point Mode product function / client Mode product function	<ul> <li>4.9 5.8 GHz; depending on the country approvals</li> <li>/ general</li> <li>No Yes</li> <li>Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY- PLUG W740 iFeatures'</li> <li>Yes; Only in combination with 'KEY-PLUG W780 iFeatures' or 'KEY-</li> </ul>
radio frequencies         operating frequency         • for WLAN in 2.4 GHz frequency band         • for WLAN in 5 GHz frequency band         product features, product functions, product components         product function / Access Point Mode         product function / client Mode         product function         • iPCF client         • iPCF-MC client	4.9 5.8 GHz; depending on the country approvals / general No Yes Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY- PLUG W740 iFeatures' Yes; Only in combination with 'KEY-PLUG W780 iFeatures' or 'KEY- PLUG W740 iFeatures'
radio frequencies         operating frequency         • for WLAN in 2.4 GHz frequency band         • for WLAN in 5 GHz frequency band         product features, product functions, product components         product function / Access Point Mode         product function / client Mode         product function         • iPCF client         • iPCF-MC client         number of iPCF-capable radio modules	<ul> <li>4.9 5.8 GHz; depending on the country approvals</li> <li>/ general</li> <li>No Yes</li> <li>Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY- PLUG W740 iFeatures'</li> <li>Yes; Only in combination with 'KEY-PLUG W780 iFeatures' or 'KEY- PLUG W740 iFeatures'</li> <li>1</li> </ul>
radio frequencies         operating frequency         • for WLAN in 2.4 GHz frequency band         • for WLAN in 5 GHz frequency band         product features, product functions, product components         product function / Access Point Mode         product function / client Mode         product function         • iPCF client         • iPCF-MC client	<ul> <li>4.9 5.8 GHz; depending on the country approvals</li> <li>/ general</li> <li>No Yes</li> <li>Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY- PLUG W740 iFeatures'</li> <li>Yes; Only in combination with 'KEY-PLUG W780 iFeatures' or 'KEY- PLUG W740 iFeatures'</li> <li>1</li> <li>Yes; In combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-</li> </ul>
radio frequencies         operating frequency         • for WLAN in 2.4 GHz frequency band         • for WLAN in 5 GHz frequency band         product features, product functions, product components         product function / Access Point Mode         product function / client Mode         product function         • iPCF client         • iPCF-MC client         number of iPCF-capable radio modules         product function / iPRP	4.9 5.8 GHz; depending on the country approvals / general No Yes Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY- PLUG W740 iFeatures' Yes; Only in combination with 'KEY-PLUG W780 iFeatures' or 'KEY- PLUG W740 iFeatures' 1 Yes; In combination with the 'KEY-PLUG W780 iFeatures' or 'KEY- PLUG W740 iFeatures' only
radio frequencies         operating frequency         • for WLAN in 2.4 GHz frequency band         • for WLAN in 5 GHz frequency band         product features, product functions, product components         product function / Access Point Mode         product function / client Mode         product function         • iPCF client         • iPCF-MC client         number of iPCF-capable radio modules         product function / iPRP	4.9 5.8 GHz; depending on the country approvals / general No Yes Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY- PLUG W740 iFeatures' Yes; Only in combination with 'KEY-PLUG W780 iFeatures' or 'KEY- PLUG W740 iFeatures' 1 Yes; In combination with the 'KEY-PLUG W780 iFeatures' or 'KEY- PLUG W740 iFeatures' only ng
radio frequencies         operating frequency         • for WLAN in 2.4 GHz frequency band         • for WLAN in 5 GHz frequency band         product features, product functions, product components         product function / Access Point Mode         product function / client Mode         product function         • iPCF client         • iPCF-MC client         number of iPCF-capable radio modules         product function / iPRP         product functions / management, configuration, engineeri         number of manageable IP addresses / in client	4.9 5.8 GHz; depending on the country approvals / general No Yes Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY- PLUG W740 iFeatures' Yes; Only in combination with 'KEY-PLUG W780 iFeatures' or 'KEY- PLUG W740 iFeatures' 1 Yes; In combination with the 'KEY-PLUG W780 iFeatures' or 'KEY- PLUG W740 iFeatures' only
radio frequencies         operating frequency         • for WLAN in 2.4 GHz frequency band         • for WLAN in 5 GHz frequency band         product features, product functions, product components         product function / Access Point Mode         product function / client Mode         product function         • iPCF client         • iPCF-MC client         number of iPCF-capable radio modules         product function / iPRP         product functions / management, configuration, engineeri         number of manageable IP addresses / in client         product function	4.9 5.8 GHz; depending on the country approvals / general No Yes Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY- PLUG W740 iFeatures' Yes; Only in combination with 'KEY-PLUG W780 iFeatures' or 'KEY- PLUG W740 iFeatures' 1 Yes; In combination with the 'KEY-PLUG W780 iFeatures' or 'KEY- PLUG W740 iFeatures' only ng 8
radio frequencies         operating frequency         • for WLAN in 2.4 GHz frequency band         • for WLAN in 5 GHz frequency band         product features, product functions, product components         product function / Access Point Mode         product function / client Mode         product function         • iPCF client         • iPCF-MC client         number of iPCF-capable radio modules         product function / iPRP         product functions / management, configuration, engineeri         number of manageable IP addresses / in client         product function         • CLI	4.9 5.8 GHz; depending on the country approvals / general No Yes Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY- PLUG W740 iFeatures' Yes; Only in combination with 'KEY-PLUG W780 iFeatures' or 'KEY- PLUG W740 iFeatures' 1 Yes; In combination with the 'KEY-PLUG W780 iFeatures' or 'KEY- PLUG W740 iFeatures' only ng 8 Yes
radio frequencies         operating frequency         • for WLAN in 2.4 GHz frequency band         • for WLAN in 5 GHz frequency band         product features, product functions, product components         product function / Access Point Mode         product function / client Mode         product function         • iPCF client         • iPCF-MC client         number of iPCF-capable radio modules         product function / iPRP         product function         • cLl         • web-based management	4.9 5.8 GHz; depending on the country approvals / general No Yes Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY- PLUG W740 iFeatures' Yes; Only in combination with 'KEY-PLUG W780 iFeatures' or 'KEY- PLUG W740 iFeatures' 1 Yes; In combination with the 'KEY-PLUG W780 iFeatures' or 'KEY- PLUG W740 iFeatures' only ng 8 Yes Yes
radio frequencies         operating frequency         • for WLAN in 2.4 GHz frequency band         • for WLAN in 5 GHz frequency band         product features, product functions, product components         product function / Access Point Mode         product function / client Mode         product function         of PCF client         • iPCF client         • iPCF-MC client         number of iPCF-capable radio modules         product function / iPRP         product function         • cLl         • web-based management         • MIB support	4.9 5.8 GHz; depending on the country approvals / general No Yes Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY- PLUG W740 iFeatures' Yes; Only in combination with 'KEY-PLUG W780 iFeatures' or 'KEY- PLUG W740 iFeatures' 1 Yes; In combination with the 'KEY-PLUG W780 iFeatures' or 'KEY- PLUG W740 iFeatures' only ng 8 Yes Yes
radio frequencies         operating frequency         • for WLAN in 2.4 GHz frequency band         • for WLAN in 5 GHz frequency band         product features, product functions, product components         product function / Access Point Mode         product function / Access Point Mode         product function / client Mode         product function         • iPCF client         • iPCF-MC client         number of iPCF-capable radio modules         product function / iPRP         product function         • cLI         • web-based management         • MIB support         • TRAPs via email	4.9 5.8 GHz; depending on the country approvals / general No Yes Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY- PLUG W740 iFeatures' Yes; Only in combination with 'KEY-PLUG W780 iFeatures' or 'KEY- PLUG W740 iFeatures' 1 Yes; In combination with the 'KEY-PLUG W780 iFeatures' or 'KEY- PLUG W740 iFeatures' only ng 8 Yes Yes Yes
radio frequencies         operating frequency         • for WLAN in 2.4 GHz frequency band         • for WLAN in 5 GHz frequency band         product features, product functions, product components         product function / Access Point Mode         product function / client Mode         product function         • iPCF client         • iPCF-MC client         number of iPCF-capable radio modules         product function / iPRP         product function         • cLl         • web-based management         • MIB support         • TRAPs via email         • configuration with STEP 7	4.9 5.8 GHz; depending on the country approvals / general No Yes Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY- PLUG W740 iFeatures' Yes; Only in combination with 'KEY-PLUG W780 iFeatures' or 'KEY- PLUG W740 iFeatures' 1 Yes; In combination with the 'KEY-PLUG W780 iFeatures' or 'KEY- PLUG W740 iFeatures' only ng 8 Yes Yes Yes Yes
radio frequencies         operating frequency         • for WLAN in 2.4 GHz frequency band         • for WLAN in 5 GHz frequency band         product features, product functions, product components         product function / Access Point Mode         product function / client Mode         product function         • iPCF client         • iPCF-MC client         number of iPCF-capable radio modules         product function / iPRP         product function         • cLI         • web-based management         • MIB support         • TRAPs via email         • configuration with STEP 7         • configuration with STEP 7 in the TIA Portal	4.9 5.8 GHz; depending on the country approvals / general No Yes Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY- PLUG W740 iFeatures' Yes; Only in combination with 'KEY-PLUG W780 iFeatures' or 'KEY- PLUG W740 iFeatures' 1 Yes; In combination with the 'KEY-PLUG W780 iFeatures' or 'KEY- PLUG W740 iFeatures' only ng 8 Yes Yes Yes
radio frequencies         operating frequency         • for WLAN in 2.4 GHz frequency band         • for WLAN in 5 GHz frequency band         product features, product functions, product components         product function / Access Point Mode         product function / Access Point Mode         product function / client Mode         product function         • iPCF client         • iPCF-MC client         number of iPCF-capable radio modules         product function / iPRP         product function         product function         of PCL         product function / iPRP         product function         product function         product function         product function         product function         inclient         product function         product function         inclient         product function         inclient	4.9 5.8 GHz; depending on the country approvals / general No Yes Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY- PLUG W740 iFeatures' Yes; Only in combination with 'KEY-PLUG W780 iFeatures' or 'KEY- PLUG W740 iFeatures' 1 Yes; In combination with the 'KEY-PLUG W780 iFeatures' or 'KEY- PLUG W740 iFeatures' only ng 8 Yes Yes Yes Yes Yes
radio frequencies         operating frequency         • for WLAN in 2.4 GHz frequency band         • for WLAN in 5 GHz frequency band         product features, product functions, product components         product function / Access Point Mode         product function / client Mode         product function         • iPCF client         • iPCF-MC client         number of iPCF-capable radio modules         product function / iPRP         product function         product function         iPCF         product function / iPRP         product function         product functions / management, configuration, engineeri         number of manageable IP addresses / in client         product function         • CLI         • web-based management         • MIB support         • TRAPs via email         • configuration with STEP 7         • configuration with STEP 7 in the TIA Portal         • WDS         protocol / is supported	4.9 5.8 GHz; depending on the country approvals / general No Yes Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY- PLUG W740 iFeatures' Yes; Only in combination with 'KEY-PLUG W780 iFeatures' or 'KEY- PLUG W740 iFeatures' 1 Yes; In combination with the 'KEY-PLUG W780 iFeatures' or 'KEY- PLUG W740 iFeatures' only ng 8 Yes Yes Yes Yes Yes
radio frequencies         operating frequency         • for WLAN in 2.4 GHz frequency band         • for WLAN in 5 GHz frequency band         product features, product functions, product components         product function / Access Point Mode         product function / Access Point Mode         product function / client Mode         product function         • iPCF client         • iPCF-MC client         number of iPCF-capable radio modules         product function / iPRP         product function         product function         of PCL         product function / iPRP         product function         product function         product function         product function         product function         inclient         product function         product function         inclient         product function         inclient	4.9 5.8 GHz; depending on the country approvals          / general         No         Yes         Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures'         Yes; Only in combination with 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures'         1         Yes; In combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' only         ng         8         Yes         Ye
radio frequencies         operating frequency         • for WLAN in 2.4 GHz frequency band         • for WLAN in 5 GHz frequency band         product features, product functions, product components         product function / Access Point Mode         product function / client Mode         product function         • iPCF client         • iPCF-MC client         number of iPCF-capable radio modules         product function / iPRP         product function         product function         iPCF-MC client         number of iPCF-capable radio modules         product function / iPRP         product function / iPRP         product function         • CLI         • web-based management         • MIB support         • TRAPs via email         • configuration with STEP 7         • configuration with STEP 7 in the TIA Portal         • WDS         protocol / is supported         • Address Resolution Protocol (ARP)	4.9 5.8 GHz; depending on the country approvals / general No Yes Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY- PLUG W740 iFeatures' Yes; In combination with 'KEY-PLUG W780 iFeatures' or 'KEY- PLUG W740 iFeatures' only ng 8 Yes Yes Yes Yes Yes Yes Yes Yes
radio frequencies         operating frequency         • for WLAN in 2.4 GHz frequency band         • for WLAN in 5 GHz frequency band         product features, product functions, product components         product function / Access Point Mode         product function / Access Point Mode         product function / client Mode         product function         • iPCF client         • iPCF-MC client         number of iPCF-capable radio modules         product function / iPRP         product function / iPRP         product function         • CLI         • web-based management         • MIB support         • TRAPs via email         • configuration with STEP 7         • configuration with STEP 7 in the TIA Portal         • WDS         protocol / is supported         • Address Resolution Protocol (ARP)         • ICMP	<ul> <li>4.9 5.8 GHz; depending on the country approvals</li> <li>/ general</li> <li>No Yes</li> <li>Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY- PLUG W740 iFeatures'</li> <li>Yes; Only in combination with 'KEY-PLUG W780 iFeatures' or 'KEY- PLUG W740 iFeatures'</li> <li>1</li> <li>Yes; In combination with the 'KEY-PLUG W780 iFeatures' or 'KEY- PLUG W740 iFeatures' only</li> <li>ng</li> <li>8</li> <li>Yes</li> <li>Ye</li></ul>
radio frequencies         operating frequency         • for WLAN in 2.4 GHz frequency band         • for WLAN in 5 GHz frequency band         product features, product functions, product components         product function / Access Point Mode         product function / Access Point Mode         product function / client Mode         product function / client Mode         product function         • iPCF client         • iPCF-MC client         number of iPCF-capable radio modules         product function / iPRP         product function / iPRP         product function         • CLI         • web-based management         • MIB support         • TRAPs via email         • configuration with STEP 7         • configuration with STEP 7 in the TIA Portal         • WDS         protocol / is supported         • Address Resolution Protocol (ARP)         • ICMP         • Telnet	4.9 5.8 GHz; depending on the country approvals 7 general No Yes Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY- PLUG W740 iFeatures' Yes; Only in combination with 'KEY-PLUG W780 iFeatures' or 'KEY- PLUG W740 iFeatures' 1 Yes; In combination with the 'KEY-PLUG W780 iFeatures' or 'KEY- PLUG W740 iFeatures' only ng 8 Yes

	Vec
• TFTP	Yes
• DCP	Yes
• LLDP	No
identification & maintenance function	
I&M0 - device-specific information	Yes
<ul> <li>I&amp;M1 – higher level designation/location designation</li> </ul>	Yes
product functions / diagnostics	
product function	
<ul> <li>PROFINET IO diagnosis</li> </ul>	Yes
link check	No
<ul> <li>connection monitoring IP-Alive</li> </ul>	No
• SysLog	Yes
protocol / is supported	
SNMP v1	Yes
• SNMP v2	Yes
• SNMP v3	Yes
product functions / VLAN	
product function	
function VLAN with IWLAN	No
product functions / DHCP	
product function	
DHCP client	Yes
DHCP server	Yes
DHCP Option 82	Yes
product functions / redundancy	
protocol / is supported	
STP/RSTP	Yes
• MSTP	Yes
• RSTP	Yes
	163
product functions / security	
product function	
ACL - MAC-based	Yes
management security, ACL-IP based	Yes
IEEE 802.1x (radius)	Yes
• NAT/NAPT	Yes
access protection according to IEEE802.11i	Yes
WPA/WPA2	Yes
• TKIP/AES	Yes
protocol / is supported	No.
• SSH	Yes
• RADIUS	Yes
product functions / time	
protocol / is supported	
• NTP	Yes
• SNTP	Yes
SIMATIC time synchronization (SIMATIC Time)	Yes
standards, specifications, approvals	
standard	
• for FM	FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2,
	Group IIC, T4
<ul> <li>for safety / from CSA and UL</li> </ul>	UL 60950-1, CSA C22.2 No. 60950-1
certificate of suitability	
EC Declaration of Conformity	Yes
• CE marking	Yes
• C-Tick	Yes
• E1 approval	No
<ul> <li>railway application in accordance with EN 50155</li> </ul>	No
NEMA TS2	No
• IEC 61375	No
• IEC 61850-3	No
• NEMA4X	No
<ul> <li>Power-over-Ethernet according IEEE802.3at for</li> </ul>	Yes

type 1 and IEEE802.3af	
<ul> <li>Power-over-Ethernet according to IEEE802.3at for</li> </ul>	Yes
type 2	
standard for wireless communication	
• IEEE 802.11a	Yes
• IEEE 802.11b	Yes
• IEEE 802.11e	Yes
• IEEE 802.11g	Yes
• IEEE 802.11h	Yes
• IEEE 802.11i	Yes
• IEEE 802.11n	Yes
wireless approval	You will find the current list of countries at:
	www.siemens.de/funkzulassungen
standards, specifications, approvals / marine classificatio	n
Marine classification association	
<ul> <li>American Bureau of Shipping Europe Ltd. (ABS)</li> </ul>	Yes
<ul> <li>French marine classification society (BV)</li> </ul>	Yes
• DNV GL	Yes
<ul> <li>Korean Register of Shipping (KRS)</li> </ul>	Yes
<ul> <li>Lloyds Register of Shipping (LRS)</li> </ul>	Yes
<ul> <li>Nippon Kaiji Kyokai (NK)</li> </ul>	Yes
<ul> <li>Polski Rejestr Statkow (PRS)</li> </ul>	Yes
<ul> <li>Royal Institution of Naval Architects (RINA)</li> </ul>	Yes
standards, specifications, approvals / hazardous environn	nents
standard / for hazardous zone	EN 60079-15:2005, EN 60079-0:2006, II 3 G Ex nA II T4 KEMA 07
	ATEX 0145X
certificate of suitability / CCC / for hazardous zone according to GB standard	Yes
5	
accessories	
	24 V DC screw terminal included in scope of delivery
accessories	24 V DC screw terminal included in scope of delivery
accessories accessories	24 V DC screw terminal included in scope of delivery
accessories accessories further information / internet-Links	24 V DC screw terminal included in scope of delivery http://www.siemens.com/tia-selection-tool
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accessories accessories further information / internet-Links Internet-Link • to website: TIA Selection Tool • to web page: selection aid TIA Selection Tool • to the website: IWLAN • to website: Industry Mall • to website: Industry Mall • to website: Information and Download Center • to website: Image database • to website: Image database • to website: CAx-Download-Manager • to website: Industry Online Support security information	http://www.siemens.com/tia-selection-tool         http://www.siemens.com/tia-selection-tool         http://www.siemens.com/iwlan         http://www.siemens.com/industry/infocenter         http://www.siemens.com/industry/infocenter         http://automation.siemens.com/bilddb         http://www.siemens.com/cax         https://support.industry.siemens.com         Siemens provides products and solutions with industrial security         functions that support the secure operation of plants, solutions,         machines, equipment and/or networks. They are important components         in a holistic industrial security concept. With this in mind, Siemens'
accessories accessories further information / internet-Links Internet-Link • to website: TIA Selection Tool • to web page: selection aid TIA Selection Tool • to the website: IWLAN • to website: Industry Mall • to website: Industry Mall • to website: Information and Download Center • to website: Image database • to website: Image database • to website: CAx-Download-Manager • to website: Industry Online Support security information	http://www.siemens.com/tia-selection-tool         http://www.siemens.com/tia-selection-tool         http://www.siemens.com/iwlan         http://www.siemens.com/industry/infocenter         http://www.siemens.com/industry/infocenter         http://automation.siemens.com/bilddb         http://www.siemens.com/cax         https://support.industry.siemens.com         Siemens provides products and solutions with industrial security functions that support the secure operation of plants, solutions, machines, equipment and/or networks. They are important components in a holistic industrial security concept. With this in mind, Siemens' products and solutions undergo continuous development. Siemens
accessories accessories further information / internet-Links Internet-Link • to website: TIA Selection Tool • to web page: selection aid TIA Selection Tool • to the website: IWLAN • to website: Industry Mall • to website: Industry Mall • to website: Information and Download Center • to website: Image database • to website: Image database • to website: CAx-Download-Manager • to website: Industry Online Support security information	http://www.siemens.com/tia-selection-tool         http://www.siemens.com/tia-selection-tool         http://www.siemens.com/iwlan         http://www.siemens.com/industry/infocenter         http://www.siemens.com/industry/infocenter         http://automation.siemens.com/bilddb         http://www.siemens.com/cax         https://support.industry.siemens.com         Siemens provides products and solutions with industrial security         functions that support the secure operation of plants, solutions,         machines, equipment and/or networks. They are important components         in a holistic industrial security concept. With this in mind, Siemens'
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